[SI System]

i-FX2-G04-K			0422	0452	0512	0572	0602	0672	0712	0772	0862	0962
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	**kW**	**422,6**	**454,8**	**508,8**	**571,6**	**594,3**	**667,1**	**711,7**	**766,6**	**859,8**	**958,3**
Total power input	(1)	kW	130,5	146,3	164,5	177,3	186,1	225,7	229,2	252,3	282,1	307,9
EER	(1)	kW/kW	3,238	3,109	3,093	3,224	3,193	2,956	3,105	3,038	3,048	3,112
COOLING ONLY (EN14511 VALUE)												
Cooling capacity		**kW**	**422,2**	**454,3**	**508,3**	**571,1**	**593,7**	**666,5**	**711,0**	**765,9**	**859,2**	**957,7**
EER		kW/kW	3,200	3,070	3,060	3,190	3,150	2,920	3,060	3,000	3,020	3,080
Cooling energy class			-	-	-	-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(3)	kW	438,5	471,8	527,8	593,1	616,6	692,1	738,4	795,3	892,0	994,3
Total power input	(3)	kW	126,4	141,6	159,1	171,6	180,1	218,3	221,8	244,1	272,9	297,9
Desuperheater heating capacity	(3)	**kW**	**106,3**	**120,4**	**136,6**	**144,7**	**152,5**	**187,9**	**187,6**	**208,2**	**234,8**	**254,5**
COOLING WITH TOTAL HEAT RECOVERY												
Cooling capacity	(4)	kW	398,4	429,2	484,2	531,3	559,4	635,6	666,1	717,1	813,7	899,4
Total power input	(4)	kW	109,8	122,2	132,8	153,1	157,2	185,1	197,5	209,6	227,6	257,4
Recovery heat exchanger capacity	(4)	**kW**	**501,6**	**544,1**	**609,0**	**675,2**	**707,2**	**809,6**	**851,7**	**914,2**	**1028**	**1141**
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow		l/s	20,21	21,75	24,33	27,34	28,42	31,90	34,03	36,66	41,12	45,83
Pressure drop at the heat exchanger		kPa	45,4	52,6	34,6	43,7	47,2	52,4	59,6	62,9	33,6	41,8
PARTIAL RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(3)	l/s	5,133	5,814	6,595	6,984	7,364	9,069	9,056	10,05	11,34	12,29
Pressure drop at the heat exchanger	(3)	kPa	50,2	32,0	41,1	46,1	51,3	38,4	38,3	47,1	35,0	41,1
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(4)	l/s	24,21	26,27	29,40	32,59	34,13	39,08	41,11	44,13	49,61	55,09
Pressure drop at the heat exchanger	(4)	kPa	23,6	27,7	28,0	34,4	28,7	33,6	37,2	22,7	28,7	23,6
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	0	0	0	0	0	0	0	0	0	0
No. Circuits		N°	2	2	2	2	2	2	2	2	2	2
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	13	13	13	13	13	14	14	14	13	13
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	72,0	76,0	78,0	92,0	94,0	96,0	125	130	136	158
Oil charge		kg	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	70,0	70,0
Rc (ASHRAE)	(5)	kg/kW	0,17	0,17	0,16	0,16	0,16	0,15	0,18	0,17	0,16	0,17
FANS												
Quantity		N°	6	6	6	8	8	8	10	10	10	12
Air flow		m³/s	30,90	30,90	30,90	41,20	41,20	41,20	51,50	51,50	51,50	61,80
Total fans power input		kW	11,40	11,40	11,40	15,20	15,20	15,20	19,00	19,00	19,00	22,80
NOISE LEVEL												
Total sound Pressure		dB(A)	68	69	69	70	70	70	71	71	73	73
Total sound power level in cooling		dB(A)	100	101	101	102	102	102	104	104	106	106
SIZE AND WEIGHT												
A	(9)	mm	4150	4150	4150	5400	5400	5400	6650	6650	6650	7900
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	4428	4439	4535	5105	5105	5137	5693	6053	6815	7346

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-K			1062	1152	1253	1333	1463	1573	1683
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	**kW**	**1066**	**1148**	**1248**	**1329**	**1461**	**1566**	**1675**
Total power input	(1)	kW	335,8	368,2	397,7	444,7	461,2	497,5	531,0
EER	(1)	kW/kW	3,175	3,118	3,138	2,989	3,168	3,148	3,154
COOLING ONLY (EN14511 VALUE)									
Cooling capacity		**kW**	**1065**	**1147**	**1247**	**1328**	**1460**	**1565**	**1674**
EER		kW/kW	3,130	3,070	3,100	2,950	3,130	3,110	3,110
Cooling energy class			-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY									
Cooling capacity	(3)	kW	1105	1191	1294	1379	1516	1625	1738
Total power input	(3)	kW	325,0	356,2	384,9	430,2	446,2	481,3	513,8
Desuperheater heating capacity	(3)	**kW**	**276,0**	**304,9**	**327,9**	**369,8**	**381,1**	**413,5**	**440,1**
COOLING WITH TOTAL HEAT RECOVERY									
Cooling capacity	(4)	kW	997,4	1075	1175	1252	1371	1483	1575
Total power input	(4)	kW	285,6	314,1	326,9	362,8	384,6	407,6	448,1
Recovery heat exchanger capacity	(4)	**kW**	**1266**	**1370**	**1482**	**1593**	**1733**	**1866**	**1996**
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN COOLING									
Water flow		l/s	50,96	54,89	59,66	63,54	69,88	74,88	80,12
Pressure drop at the heat exchanger		kPa	62,9	63,4	50,0	56,7	52,0	64,2	73,5
PARTIAL RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(3)	l/s	13,32	14,72	15,83	17,85	18,40	19,96	21,24
Pressure drop at the heat exchanger	(3)	kPa	48,3	30,9	30,2	38,4	40,8	48,0	34,5
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(4)	l/s	61,10	66,14	71,53	76,91	83,63	90,08	96,37
Pressure drop at the heat exchanger	(4)	kPa	19,4	22,7	19,9	23,0	27,2	21,0	24,1
REFRIGERANT CIRCUIT									
Compressors nr.		N°	2	2	3	3	3	3	3
Number of capacity steps		N°	0	0	0	0	0	0	0
No. Circuits		N°	2	2	3	3	3	3	3
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	13	13	9	9	9	9	9
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	178	183	227	232	256	276	300
Oil charge		kg	70,0	70,0	105	105	105	105	105
Rc (ASHRAE)	(5)	kg/kW	0,17	0,16	0,18	0,18	0,18	0,18	0,18
FANS									
Quantity		N°	14	14	16	16	18	18	20
Air flow		m³/s	72,10	72,10	82,40	82,40	92,70	92,70	103,00
Total fans power input		kW	26,60	26,60	30,40	30,40	34,20	34,20	38,00
NOISE LEVEL									
Total sound Pressure		dB(A)	73	73	73	73	74	74	74
Total sound power level in cooling		dB(A)	106	106	106	106	107	107	107
SIZE AND WEIGHT									
A	(9)	mm	9150	9150	10400	10400	11650	11650	12900
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	8099	8270	10491	10493	11623	11714	12278

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-E			0392	0432	0502	0552	0662	0742	0872	0932	1022	1072
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	**kW**	**392,5**	**426,2**	**499,3**	**550,7**	**658,3**	**744,3**	**861,4**	**929,7**	**1023**	**1072**
Total power input	(1)	kW	116,4	128,6	145,1	161,4	207,6	234,7	269,2	285,7	303,4	325,3
EER	(1)	kW/kW	3,372	3,314	3,441	3,412	3,171	3,171	3,200	3,254	3,372	3,295
COOLING ONLY (EN14511 VALUE)												
Cooling capacity		**kW**	**392,0**	**425,7**	**498,8**	**550,2**	**657,7**	**743,7**	**860,8**	**929,1**	**1023**	**1072**
EER		kW/kW	3,330	3,270	3,410	3,370	3,130	3,140	3,170	3,220	3,320	3,250
Cooling energy class			-	-	-	-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(3)	kW	407,2	442,2	518,0	571,3	682,9	772,2	893,7	964,6	1062	1113
Total power input	(3)	kW	112,7	124,5	140,5	156,3	201,0	227,2	260,5	276,5	293,8	314,9
Desuperheater heating capacity	(3)	**kW**	**94,78**	**104,1**	**117,3**	**132,0**	**170,2**	**191,3**	**222,1**	**233,8**	**246,6**	**266,1**
COOLING WITH TOTAL HEAT RECOVERY												
Cooling capacity	(4)	kW	369,8	398,6	464,5	511,9	615,3	691,4	803,3	865,0	951,8	996,4
Total power input	(4)	kW	98,80	111,5	126,5	140,0	180,2	203,9	229,4	249,1	265,7	284,7
Recovery heat exchanger capacity	(4)	**kW**	**462,7**	**503,4**	**583,5**	**643,5**	**784,6**	**883,1**	**1019**	**1099**	**1202**	**1264**
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow		l/s	18,77	20,38	23,88	26,33	31,48	35,59	41,19	44,46	48,94	51,28
Pressure drop at the heat exchanger		kPa	39,1	46,2	33,3	40,6	51,0	40,0	33,7	39,3	58,0	55,4
PARTIAL RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(3)	l/s	4,575	5,026	5,664	6,370	8,214	9,233	10,72	11,28	11,90	12,85
Pressure drop at the heat exchanger	(3)	kPa	39,9	23,9	30,4	38,4	31,5	39,8	31,3	34,7	38,6	23,5
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(4)	l/s	22,34	24,30	28,16	31,06	37,87	42,63	49,18	53,05	58,00	61,01
Pressure drop at the heat exchanger	(4)	kPa	20,0	23,7	25,7	31,3	31,6	21,2	28,2	21,9	17,4	19,3
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	0	0	0	0	0	0	0	0	0	0
No. Circuits		N°	2	2	2	2	2	2	2	2	2	2
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	13	13	13	14	14	14	14	14	14	14
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	72,0	82,0	92,0	94,0	125	149	154	168	182	187
Oil charge		kg	36,0	36,0	36,0	36,0	36,0	36,0	70,0	70,0	70,0	70,0
Rc (ASHRAE)	(5)	kg/kW	0,19	0,19	0,19	0,17	0,19	0,20	0,18	0,18	0,18	0,18
FANS												
Quantity		N°	6	7	8	8	10	12	12	14	16	16
Air flow		m³/s	30,90	36,05	41,20	41,20	51,50	61,80	61,80	72,10	82,40	82,40
Total fans power input		kW	10,20	11,90	13,60	13,60	17,00	20,40	20,40	23,80	27,20	27,20
NOISE LEVEL												
Total sound Pressure		dB(A)	68	69	69	70	69	71	73	73	73	73
Total sound power level in cooling		dB(A)	100	101	101	102	102	104	106	106	106	106
SIZE AND WEIGHT												
A	(9)	mm	4150	5400	5400	5400	6650	7900	7900	9150	10400	10400
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	4428	4942	5105	5105	5693	6579	7342	8053	8634	8805

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-E			1183	1323	1433	1533
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE						
COOLING ONLY (GROSS VALUE)						
Cooling capacity	(1)	**kW**	**1184**	**1327**	**1425**	**1532**
Total power input	(1)	kW	360,6	408,8	433,9	473,0
EER	(1)	kW/kW	3,283	3,246	3,284	3,239
COOLING ONLY (EN14511 VALUE)						
Cooling capacity		**kW**	**1183**	**1327**	**1424**	**1531**
EER		kW/kW	3,250	3,210	3,240	3,210
Cooling energy class			-	-	-	-
COOLING WITH PARTIAL RECOVERY						
Cooling capacity	(3)	kW	1228	1377	1478	1589
Total power input	(3)	kW	349,1	395,6	419,9	457,6
Desuperheater heating capacity	(3)	**kW**	**294,6**	**337,6**	**357,0**	**391,8**
COOLING WITH TOTAL HEAT RECOVERY						
Cooling capacity	(4)	kW	1104	1237	1328	1439
Total power input	(4)	kW	308,6	347,0	371,5	398,2
Recovery heat exchanger capacity	(4)	**kW**	**1395**	**1563**	**1677**	**1813**
EXCHANGERS						
HEAT EXCHANGER USER SIDE IN COOLING						
Water flow		l/s	56,62	63,48	68,13	73,24
Pressure drop at the heat exchanger		kPa	45,0	46,2	53,2	35,7
PARTIAL RECOVERY USER SIDE IN REFRIGERATION						
Water flow	(3)	l/s	14,22	16,30	17,23	18,91
Pressure drop at the heat exchanger	(3)	kPa	24,4	32,0	35,8	43,1
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION						
Water flow	(4)	l/s	67,32	75,44	80,94	87,51
Pressure drop at the heat exchanger	(4)	kPa	17,6	22,1	25,5	19,8
REFRIGERANT CIRCUIT						
Compressors nr.		N°	3	3	3	3
Number of capacity steps		N°	0	0	0	0
No. Circuits		N°	3	3	3	3
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	9	9	9	9
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	261	276	290	300
Oil charge		kg	105	105	105	105
Rc (ASHRAE)	(5)	kg/kW	0,22	0,21	0,21	0,20
FANS						
Quantity		N°	18	18	20	20
Air flow		m³/s	92,70	92,70	103,00	103,00
Total fans power input		kW	30,60	30,60	34,00	34,00
NOISE LEVEL						
Total sound Pressure		dB(A)	73	73	74	74
Total sound power level in cooling		dB(A)	106	106	107	107
SIZE AND WEIGHT						
A	(9)	mm	11650	11650	12900	12900
B	(9)	mm	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640
Operating weight	(9)	kg	11067	11655	12243	12314

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-SL-K			0422	0452	0512	0572	0602	0672	0712	0772	0862	0962
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	**kW**	**408,5**	**439,1**	**482,0**	**544,7**	**575,0**	**636,0**	**688,8**	**741,6**	**797,0**	**926,4**
Total power input	(1)	kW	130,4	146,7	161,5	171,8	185,6	221,4	228,7	252,7	265,0	308,6
EER	(1)	kW/kW	3,133	2,993	2,985	3,171	3,098	2,873	3,012	2,935	3,008	3,002
COOLING ONLY (EN14511 VALUE)												
Cooling capacity		**kW**	**408,1**	**438,6**	**481,6**	**544,2**	**574,5**	**635,4**	**688,1**	**740,9**	**796,5**	**925,7**
EER		kW/kW	3,090	2,950	2,960	3,140	3,060	2,840	2,970	2,900	2,980	2,970
Cooling energy class			-	-	-	-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(3)	kW	423,9	455,6	500,0	565,1	596,6	659,8	714,6	769,4	826,9	961,1
Total power input	(3)	kW	126,2	141,9	156,1	166,1	179,5	214,0	221,2	244,3	256,2	298,4
Desuperheater heating capacity	(3)	**kW**	**108,9**	**123,5**	**136,6**	**143,3**	**155,7**	**187,6**	**191,6**	**213,0**	**224,1**	**260,5**
COOLING WITH TOTAL HEAT RECOVERY												
Cooling capacity	(4)	kW	398,4	429,2	476,9	523,3	559,4	626,1	666,1	717,1	793,3	899,4
Total power input	(4)	kW	109,8	122,2	129,5	149,3	157,2	180,4	197,5	209,6	218,5	257,4
Recovery heat exchanger capacity	(4)	**kW**	**501,6**	**544,1**	**598,6**	**663,6**	**707,2**	**795,7**	**851,7**	**914,2**	**998,7**	**1141**
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow		l/s	19,54	21,00	23,05	26,05	27,50	30,41	32,94	35,47	38,11	44,30
Pressure drop at the heat exchanger		kPa	42,4	49,0	31,1	39,7	44,2	47,6	55,8	58,8	28,9	39,0
PARTIAL RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(3)	l/s	5,258	5,961	6,596	6,918	7,515	9,055	9,250	10,28	10,82	12,57
Pressure drop at the heat exchanger	(3)	kPa	52,7	33,6	41,2	45,3	53,4	38,3	39,9	49,3	31,8	43,0
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(4)	l/s	24,21	26,27	28,89	32,03	34,13	38,41	41,11	44,13	48,21	55,09
Pressure drop at the heat exchanger	(4)	kPa	23,6	27,7	27,1	33,2	28,7	32,5	37,2	22,7	27,1	23,6
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	0	0	0	0	0	0	0	0	0	0
No. Circuits		N°	2	2	2	2	2	2	2	2	2	2
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	14	13	13	13	13	14	14	14	13	13
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	72,0	76,0	78,0	92,0	94,0	96,0	125	130	136	158
Oil charge		kg	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	70,0	70,0
Rc (ASHRAE)	(5)	kg/kW	0,18	0,18	0,16	0,17	0,17	0,15	0,18	0,18	0,17	0,17
FANS												
Quantity		N°	6	6	6	8	8	8	10	10	10	12
Air flow		m³/s	27,78	27,78	27,78	37,04	37,04	37,04	46,30	46,30	46,30	55,56
Total fans power input		kW	8,40	8,40	8,40	11,20	11,20	11,20	14,00	14,00	14,00	16,80
NOISE LEVEL												
Total sound Pressure		dB(A)	59	60	60	61	61	61	62	62	63	63
Total sound power level in cooling		dB(A)	91	92	92	93	93	93	95	95	96	96
SIZE AND WEIGHT												
A	(9)	mm	4150	4150	4150	5400	5400	5400	6650	6650	6650	7900
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	4949	4961	5056	5686	5686	5718	6283	6643	7405	7935

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-SL-K			1062	1152	1253	1333	1463	1573	1683
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	**kW**	**1016**	**1110**	**1186**	**1234**	**1412**	**1511**	**1619**
Total power input	(1)	kW	326,2	367,9	388,1	409,0	466,7	504,5	535,9
EER	(1)	kW/kW	3,115	3,017	3,056	3,017	3,025	2,995	3,021
COOLING ONLY (EN14511 VALUE)									
Cooling capacity		**kW**	**1015**	**1109**	**1185**	**1233**	**1411**	**1510**	**1619**
EER		kW/kW	3,070	2,980	3,030	2,980	2,990	2,960	2,980
Cooling energy class			-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY									
Cooling capacity	(3)	kW	1054	1151	1231	1280	1465	1568	1680
Total power input	(3)	kW	315,5	355,7	375,3	395,5	451,2	487,8	518,1
Desuperheater heating capacity	(3)	**kW**	**273,7**	**310,9**	**326,4**	**345,1**	**394,1**	**427,9**	**453,4**
COOLING WITH TOTAL HEAT RECOVERY									
Cooling capacity	(4)	kW	982,4	1075	1157	1221	1371	1483	1575
Total power input	(4)	kW	278,4	314,1	318,8	348,3	384,6	407,6	448,1
Recovery heat exchanger capacity	(4)	**kW**	**1244**	**1370**	**1457**	**1548**	**1733**	**1866**	**1996**
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN COOLING									
Water flow		l/s	48,60	53,07	56,72	59,00	67,52	72,25	77,44
Pressure drop at the heat exchanger		kPa	57,2	59,3	45,2	48,8	48,5	59,8	68,7
PARTIAL RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(3)	l/s	13,21	15,01	15,76	16,66	19,02	20,65	21,89
Pressure drop at the heat exchanger	(3)	kPa	47,5	32,1	29,9	33,4	43,6	51,4	36,6
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(4)	l/s	60,06	66,14	70,31	74,74	83,63	90,08	96,37
Pressure drop at the heat exchanger	(4)	kPa	18,7	22,7	19,2	21,7	27,2	21,0	24,1
REFRIGERANT CIRCUIT									
Compressors nr.		N°	2	2	3	3	3	3	3
Number of capacity steps		N°	0	0	0	0	0	0	0
No. Circuits		N°	2	2	3	3	3	3	3
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	13	13	9	10	9	9	9
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	178	183	227	232	256	276	300
Oil charge		kg	70,0	70,0	105	105	105	105	105
Rc (ASHRAE)	(5)	kg/kW	0,18	0,17	0,19	0,19	0,18	0,18	0,19
FANS									
Quantity		N°	14	14	16	16	18	18	20
Air flow		m³/s	64,82	64,82	74,08	74,08	83,34	83,34	92,60
Total fans power input		kW	19,60	19,60	22,40	22,40	25,20	25,20	28,00
NOISE LEVEL									
Total sound Pressure		dB(A)	63	63	63	63	64	64	64
Total sound power level in cooling		dB(A)	96	96	96	96	97	97	97
SIZE AND WEIGHT									
A	(9)	mm	9150	9150	10400	10400	11650	11650	12900
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	8697	8869	11375	11377	12508	12598	13171

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-SL-E			0392	0432	0502	0552	0662	0742	0872	0932	1022	1072
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	**kW**	**379,7**	**424,2**	**483,9**	**520,8**	**637,4**	**723,0**	**847,6**	**901,4**	**992,3**	**1040**
Total power input	(1)	kW	115,4	124,0	143,5	153,9	203,6	231,7	270,5	283,1	299,2	320,8
EER	(1)	kW/kW	3,290	3,421	3,372	3,384	3,131	3,120	3,133	3,184	3,317	3,242
COOLING ONLY (EN14511 VALUE)												
Cooling capacity		**kW**	**379,4**	**423,7**	**483,5**	**520,3**	**636,8**	**722,4**	**847,1**	**900,8**	**991,6**	**1039**
EER		kW/kW	3,250	3,370	3,340	3,350	3,090	3,090	3,110	3,150	3,270	3,200
Cooling energy class			-	-	-	-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(3)	kW	394,0	440,1	502,0	540,3	661,3	750,1	879,4	935,2	1030	1079
Total power input	(3)	kW	111,6	119,9	138,8	148,8	196,8	224,1	261,5	273,7	289,4	310,1
Desuperheater heating capacity	(3)	**kW**	**97,15**	**102,8**	**120,3**	**129,5**	**171,9**	**195,1**	**229,6**	**239,0**	**251,4**	**270,6**
COOLING WITH TOTAL HEAT RECOVERY												
Cooling capacity	(4)	kW	369,8	398,6	464,5	504,2	615,3	691,4	803,3	865,0	951,8	996,4
Total power input	(4)	kW	98,80	111,5	126,5	136,5	180,2	203,9	229,4	249,1	265,7	284,7
Recovery heat exchanger capacity	(4)	**kW**	**462,7**	**503,4**	**583,5**	**632,5**	**784,6**	**883,1**	**1019**	**1099**	**1202**	**1264**
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow		l/s	18,16	20,28	23,14	24,90	30,48	34,57	40,53	43,11	47,46	49,73
Pressure drop at the heat exchanger		kPa	36,6	45,7	31,3	36,3	47,8	37,8	32,7	36,9	54,5	52,1
PARTIAL RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(3)	l/s	4,689	4,962	5,805	6,251	8,298	9,417	11,08	11,53	12,14	13,06
Pressure drop at the heat exchanger	(3)	kPa	41,9	23,3	31,9	37,0	32,1	41,4	33,4	36,2	40,1	24,3
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(4)	l/s	22,34	24,30	28,16	30,53	37,87	42,63	49,18	53,05	58,00	61,01
Pressure drop at the heat exchanger	(4)	kPa	20,0	23,7	25,7	30,2	31,6	21,2	28,2	21,9	17,4	19,3
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	0	0	0	0	0	0	0	0	0	0
No. Circuits		N°	2	2	2	2	2	2	2	2	2	2
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	13	13	13	13	14	14	14	13	14	13
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	72,0	87,0	92,0	94,0	125	149	164	168	182	187
Oil charge		kg	36,0	36,0	36,0	36,0	36,0	36,0	70,0	70,0	70,0	70,0
Rc (ASHRAE)	(5)	kg/kW	0,19	0,21	0,19	0,18	0,20	0,21	0,20	0,19	0,19	0,18
FANS												
Quantity		N°	6	8	8	8	10	12	14	14	16	16
Air flow		m³/s	27,78	37,04	37,04	37,04	46,30	55,56	55,56	64,82	74,08	74,08
Total fans power input		kW	6,60	8,80	8,80	8,80	11,00	13,20	13,20	15,40	17,60	17,60
NOISE LEVEL												
Total sound Pressure		dB(A)	59	60	60	61	60	62	63	63	63	63
Total sound power level in cooling		dB(A)	91	92	92	93	93	95	96	96	96	96
SIZE AND WEIGHT												
A	(9)	mm	4150	5400	5400	5400	6650	7900	9150	9150	10400	10400
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	4949	5611	5686	5686	6283	7168	8647	8651	9233	9404

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-SL-E			1183	1323	1433	1533
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE						
COOLING ONLY (GROSS VALUE)						
Cooling capacity	(1)	**kW**	**1147**	**1300**	**1379**	**1480**
Total power input	(1)	kW	357,4	408,9	434,9	470,5
EER	(1)	kW/kW	3,209	3,179	3,171	3,146
COOLING ONLY (EN14511 VALUE)						
Cooling capacity		**kW**	**1146**	**1299**	**1378**	**1480**
EER		kW/kW	3,180	3,150	3,140	3,120
Cooling energy class			-	-	-	-
COOLING WITH PARTIAL RECOVERY						
Cooling capacity	(3)	kW	1190	1349	1431	1536
Total power input	(3)	kW	345,5	395,3	420,4	454,8
Desuperheater heating capacity	(3)	**kW**	**301,3**	**347,4**	**368,5**	**400,3**
COOLING WITH TOTAL HEAT RECOVERY						
Cooling capacity	(4)	kW	1104	1237	1328	1439
Total power input	(4)	kW	308,6	347,0	371,5	398,2
Recovery heat exchanger capacity	(4)	**kW**	**1395**	**1563**	**1677**	**1813**
EXCHANGERS						
HEAT EXCHANGER USER SIDE IN COOLING						
Water flow		l/s	54,83	62,16	65,96	70,79
Pressure drop at the heat exchanger		kPa	42,2	44,3	49,8	33,4
PARTIAL RECOVERY USER SIDE IN REFRIGERATION						
Water flow	(3)	l/s	14,54	16,77	17,79	19,32
Pressure drop at the heat exchanger	(3)	kPa	25,5	33,9	38,1	45,0
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION						
Water flow	(4)	l/s	67,32	75,44	80,94	87,51
Pressure drop at the heat exchanger	(4)	kPa	17,6	22,1	25,5	19,8
REFRIGERANT CIRCUIT						
Compressors nr.		N°	3	3	3	3
Number of capacity steps		N°	0	0	0	0
No. Circuits		N°	3	3	3	3
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	9	9	9	9
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	261	286	290	300
Oil charge		kg	105	105	105	105
Rc (ASHRAE)	(5)	kg/kW	0,23	0,22	0,21	0,20
FANS						
Quantity		N°	18	20	20	20
Air flow		m³/s	83,34	83,34	92,60	92,60
Total fans power input		kW	19,80	19,80	22,00	22,00
NOISE LEVEL						
Total sound Pressure		dB(A)	63	63	64	64
Total sound power level in cooling		dB(A)	96	96	97	97
SIZE AND WEIGHT						
A	(9)	mm	11650	12900	12900	12900
B	(9)	mm	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640
Operating weight	(9)	kg	11951	13107	13137	13208

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-K-EC			0422	0452	0512	0572	0602	0672	0712	0772	0862	0962
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	**kW**	**422,6**	**454,8**	**508,8**	**571,6**	**594,3**	**667,1**	**711,7**	**766,6**	**859,8**	**958,3**
Total power input	(1)	kW	129,3	145,1	163,3	175,7	184,5	224,1	227,2	250,3	280,1	305,5
EER	(1)	kW/kW	3,268	3,134	3,116	3,253	3,221	2,977	3,132	3,063	3,070	3,137
COOLING ONLY (EN14511 VALUE)												
Cooling capacity		**kW**	**422,2**	**454,3**	**508,3**	**571,1**	**593,7**	**666,5**	**711,0**	**765,9**	**859,2**	**957,7**
EER		kW/kW	3,230	3,090	3,090	3,210	3,180	2,940	3,090	3,020	3,040	3,100
Cooling energy class			-	-	-	-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(3)	kW	438,5	471,8	527,8	593,1	616,6	692,1	738,4	795,3	892,0	994,3
Total power input	(3)	kW	125,2	140,4	157,9	170,0	178,5	216,7	219,8	242,1	270,9	295,5
Desuperheater heating capacity	(3)	**kW**	**106,3**	**120,4**	**136,6**	**144,7**	**152,5**	**187,9**	**187,6**	**208,2**	**234,8**	**254,5**
COOLING WITH TOTAL HEAT RECOVERY												
Cooling capacity	(4)	kW	398,4	429,2	484,2	531,3	559,4	635,6	666,1	717,1	813,7	899,4
Total power input	(4)	kW	109,8	122,2	132,8	153,1	157,2	185,1	197,5	209,6	227,6	257,4
Recovery heat exchanger capacity	(4)	**kW**	**501,6**	**544,1**	**609,0**	**675,2**	**707,2**	**809,6**	**851,7**	**914,2**	**1028**	**1141**
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow		l/s	20,21	21,75	24,33	27,34	28,42	31,90	34,03	36,66	41,12	45,83
Pressure drop at the heat exchanger		kPa	45,4	52,6	34,6	43,7	47,2	52,4	59,6	62,9	33,6	41,8
PARTIAL RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(3)	l/s	5,133	5,814	6,595	6,984	7,364	9,069	9,056	10,05	11,34	12,29
Pressure drop at the heat exchanger	(3)	kPa	50,2	32,0	41,1	46,1	51,3	38,4	38,3	47,1	35,0	41,1
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(4)	l/s	24,21	26,27	29,40	32,59	34,13	39,08	41,11	44,13	49,61	55,09
Pressure drop at the heat exchanger	(4)	kPa	23,6	27,7	28,0	34,4	28,7	33,6	37,2	22,7	28,7	23,6
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	0	0	0	0	0	0	0	0	0	0
No. Circuits		N°	2	2	2	2	2	2	2	2	2	2
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	13	13	13	13	13	14	14	14	13	13
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	72,0	76,0	78,0	92,0	94,0	96,0	125	130	136	158
Oil charge		kg	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	70,0	70,0
Rc (ASHRAE)	(5)	kg/kW	0,17	0,17	0,16	0,16	0,16	0,15	0,18	0,17	0,16	0,17
FANS												
Quantity		N°	6	6	6	8	8	8	10	10	10	12
Air flow		m³/s	30,90	30,90	30,90	41,20	41,20	41,20	51,50	51,50	51,50	61,80
Total fans power input		kW	10,20	10,20	10,20	13,60	13,60	13,60	17,00	17,00	17,00	20,40
NOISE LEVEL												
Total sound Pressure		dB(A)	68	69	69	70	70	70	71	71	73	73
Total sound power level in cooling		dB(A)	100	101	101	102	102	102	104	104	106	106
SIZE AND WEIGHT												
A	(9)	mm	4150	4150	4150	5400	5400	5400	6650	6650	6650	7900
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	4428	4439	4535	5105	5105	5137	5693	6053	6815	7346

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-K-EC			1062	1152	1253	1333	1463	1573	1683
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	**kW**	**1066**	**1148**	**1248**	**1329**	**1461**	**1566**	**1675**
Total power input	(1)	kW	333,0	365,4	394,5	441,5	457,6	493,9	527,0
EER	(1)	kW/kW	3,201	3,142	3,163	3,010	3,193	3,171	3,178
COOLING ONLY (EN14511 VALUE)									
Cooling capacity		**kW**	**1065**	**1147**	**1247**	**1328**	**1460**	**1565**	**1674**
EER		kW/kW	3,150	3,100	3,130	2,970	3,160	3,130	3,130
Cooling energy class			-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY									
Cooling capacity	(3)	kW	1105	1191	1294	1379	1516	1625	1738
Total power input	(3)	kW	322,2	353,4	381,7	427,0	442,6	477,7	509,8
Desuperheater heating capacity	(3)	**kW**	**276,0**	**304,9**	**327,9**	**369,8**	**381,1**	**413,5**	**440,1**
COOLING WITH TOTAL HEAT RECOVERY									
Cooling capacity	(4)	kW	997,4	1075	1175	1252	1371	1483	1575
Total power input	(4)	kW	285,6	314,1	326,9	362,8	384,6	407,6	448,1
Recovery heat exchanger capacity	(4)	**kW**	**1266**	**1370**	**1482**	**1593**	**1733**	**1866**	**1996**
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN COOLING									
Water flow		l/s	50,96	54,89	59,66	63,54	69,88	74,88	80,12
Pressure drop at the heat exchanger		kPa	62,9	63,4	50,0	56,7	52,0	64,2	73,5
PARTIAL RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(3)	l/s	13,32	14,72	15,83	17,85	18,40	19,96	21,24
Pressure drop at the heat exchanger	(3)	kPa	48,3	30,9	30,2	38,4	40,8	48,0	34,5
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(4)	l/s	61,10	66,14	71,53	76,91	83,63	90,08	96,37
Pressure drop at the heat exchanger	(4)	kPa	19,4	22,7	19,9	23,0	27,2	21,0	24,1
REFRIGERANT CIRCUIT									
Compressors nr.		N°	2	2	3	3	3	3	3
Number of capacity steps		N°	0	0	0	0	0	0	0
No. Circuits		N°	2	2	3	3	3	3	3
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	13	13	9	9	9	9	9
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	178	183	227	232	256	276	300
Oil charge		kg	70,0	70,0	105	105	105	105	105
Rc (ASHRAE)	(5)	kg/kW	0,17	0,16	0,18	0,18	0,18	0,18	0,18
FANS									
Quantity		N°	14	14	16	16	18	18	20
Air flow		m³/s	72,10	72,10	82,40	82,40	92,70	92,70	103,00
Total fans power input		kW	23,80	23,80	27,20	27,20	30,60	30,60	34,00
NOISE LEVEL									
Total sound Pressure		dB(A)	73	73	73	73	74	74	74
Total sound power level in cooling		dB(A)	106	106	106	106	107	107	107
SIZE AND WEIGHT									
A	(9)	mm	9150	9150	10400	10400	11650	11650	12900
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	8099	8270	10491	10493	11623	11714	12278

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-SL-K-EC			0422	0452	0512	0572	0602	0672	0712	0772	0862	0962
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	**kW**	**408,5**	**439,1**	**482,0**	**544,7**	**575,0**	**636,0**	**688,8**	**741,6**	**797,0**	**926,4**
Total power input	(1)	kW	128,6	144,9	159,7	169,4	183,2	219,0	225,7	249,7	262,0	305,0
EER	(1)	kW/kW	3,177	3,030	3,018	3,215	3,139	2,904	3,052	2,970	3,042	3,037
COOLING ONLY (EN14511 VALUE)												
Cooling capacity		**kW**	**408,1**	**438,6**	**481,6**	**544,2**	**574,5**	**635,4**	**688,1**	**740,9**	**796,5**	**925,7**
EER		kW/kW	3,140	2,990	2,990	3,180	3,100	2,870	3,010	2,930	3,020	3,010
Cooling energy class			-	-	-	-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(3)	kW	423,9	455,6	500,0	565,1	596,6	659,8	714,6	769,4	826,9	961,1
Total power input	(3)	kW	124,4	140,1	154,3	163,7	177,1	211,6	218,2	241,3	253,2	294,8
Desuperheater heating capacity	(3)	**kW**	**108,9**	**123,5**	**136,6**	**143,3**	**155,7**	**187,6**	**191,6**	**213,0**	**224,1**	**260,5**
COOLING WITH TOTAL HEAT RECOVERY												
Cooling capacity	(4)	kW	398,4	429,2	476,9	523,3	559,4	626,1	666,1	717,1	793,3	899,4
Total power input	(4)	kW	109,8	122,2	129,5	149,3	157,2	180,4	197,5	209,6	218,5	257,4
Recovery heat exchanger capacity	(4)	**kW**	**501,6**	**544,1**	**598,6**	**663,6**	**707,2**	**795,7**	**851,7**	**914,2**	**998,7**	**1141**
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow		l/s	19,54	21,00	23,05	26,05	27,50	30,41	32,94	35,47	38,11	44,30
Pressure drop at the heat exchanger		kPa	42,4	49,0	31,1	39,7	44,2	47,6	55,8	58,8	28,9	39,0
PARTIAL RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(3)	l/s	5,258	5,961	6,596	6,918	7,515	9,055	9,250	10,28	10,82	12,57
Pressure drop at the heat exchanger	(3)	kPa	52,7	33,6	41,2	45,3	53,4	38,3	39,9	49,3	31,8	43,0
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION												
Water flow	(4)	l/s	24,21	26,27	28,89	32,03	34,13	38,41	41,11	44,13	48,21	55,09
Pressure drop at the heat exchanger	(4)	kPa	23,6	27,7	27,1	33,2	28,7	32,5	37,2	22,7	27,1	23,6
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	0	0	0	0	0	0	0	0	0	0
No. Circuits		N°	2	2	2	2	2	2	2	2	2	2
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	14	13	13	13	13	14	14	14	13	13
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	72,0	76,0	78,0	92,0	94,0	96,0	125	130	136	158
Oil charge		kg	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	70,0	70,0
Rc (ASHRAE)	(5)	kg/kW	0,18	0,18	0,16	0,17	0,17	0,15	0,18	0,18	0,17	0,17
FANS												
Quantity		N°	6	6	6	8	8	8	10	10	10	12
Air flow		m³/s	27,78	27,78	27,78	37,04	37,04	37,04	46,30	46,30	46,30	55,56
Total fans power input		kW	6,60	6,60	6,60	8,80	8,80	8,80	11,00	11,00	11,00	13,20
NOISE LEVEL												
Total sound Pressure		dB(A)	59	60	60	61	61	61	62	62	63	63
Total sound power level in cooling		dB(A)	91	92	92	93	93	93	95	95	96	96
SIZE AND WEIGHT												
A	(9)	mm	4150	4150	4150	5400	5400	5400	6650	6650	6650	7900
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	4949	4961	5056	5686	5686	5718	6283	6643	7405	7935

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

i-FX2-G04-SL-K-EC			1062	1152	1253	1333	1463	1573	1683
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	**kW**	**1016**	**1110**	**1186**	**1234**	**1412**	**1511**	**1619**
Total power input	(1)	kW	322,0	363,7	383,3	404,2	461,3	499,1	529,9
EER	(1)	kW/kW	3,155	3,052	3,094	3,053	3,061	3,027	3,055
COOLING ONLY (EN14511 VALUE)									
Cooling capacity		**kW**	**1015**	**1109**	**1185**	**1233**	**1411**	**1510**	**1619**
EER		kW/kW	3,110	3,010	3,060	3,020	3,030	2,990	3,010
Cooling energy class			-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY									
Cooling capacity	(3)	kW	1054	1151	1231	1280	1465	1568	1680
Total power input	(3)	kW	311,3	351,5	370,5	390,7	445,8	482,4	512,1
Desuperheater heating capacity	(3)	**kW**	**273,7**	**310,9**	**326,4**	**345,1**	**394,1**	**427,9**	**453,4**
COOLING WITH TOTAL HEAT RECOVERY									
Cooling capacity	(4)	kW	982,4	1075	1157	1221	1371	1483	1575
Total power input	(4)	kW	278,4	314,1	318,8	348,3	384,6	407,6	448,1
Recovery heat exchanger capacity	(4)	**kW**	**1244**	**1370**	**1457**	**1548**	**1733**	**1866**	**1996**
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN COOLING									
Water flow		l/s	48,60	53,07	56,72	59,00	67,52	72,25	77,44
Pressure drop at the heat exchanger		kPa	57,2	59,3	45,2	48,8	48,5	59,8	68,7
PARTIAL RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(3)	l/s	13,21	15,01	15,76	16,66	19,02	20,65	21,89
Pressure drop at the heat exchanger	(3)	kPa	47,5	32,1	29,9	33,4	43,6	51,4	36,6
HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(4)	l/s	60,06	66,14	70,31	74,74	83,63	90,08	96,37
Pressure drop at the heat exchanger	(4)	kPa	18,7	22,7	19,2	21,7	27,2	21,0	24,1
REFRIGERANT CIRCUIT									
Compressors nr.		N°	2	2	3	3	3	3	3
Number of capacity steps		N°	0	0	0	0	0	0	0
No. Circuits		N°	2	2	3	3	3	3	3
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	13	13	9	10	9	9	9
Refrigerant			R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze	R1234ze
Theoretical refrigerant charge		kg	178	183	227	232	256	276	300
Oil charge		kg	70,0	70,0	105	105	105	105	105
Rc (ASHRAE)	(5)	kg/kW	0,18	0,17	0,19	0,19	0,18	0,18	0,19
FANS									
Quantity		N°	14	14	16	16	18	18	20
Air flow		m³/s	64,82	64,82	74,08	74,08	83,34	83,34	92,60
Total fans power input		kW	15,40	15,40	17,60	17,60	19,80	19,80	22,00
NOISE LEVEL									
Total sound Pressure		dB(A)	63	63	63	63	64	64	64
Total sound power level in cooling		dB(A)	96	96	96	96	97	97	97
SIZE AND WEIGHT									
A	(9)	mm	9150	9150	10400	10400	11650	11650	12900
B	(9)	mm	2260	2260	2260	2260	2260	2260	2260
H	(9)	mm	2640	2640	2640	2640	2640	2640	2640
Operating weight	(9)	kg	8697	8869	11375	11377	12508	12598	13171

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
5 Rated in accordance with AHRI Standard 550/590
6 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
7 Sound power on the basis of measurements taken in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT

[SI System]

ENERGY EFFICIENCY

SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)
Ambient refrigeration

i-FX2-G04-K			0422	0452	0512	0572	0602	0672	0712	0772	0862	0962
Prated,c	(1)	kW	422,2	454,3	508,3	571,1	593,7	666,5	711,0	765,9	859,2	957,7
SEER	(1) (2)	-	5,17	5,12	5,14	5,15	5,17	5,10	5,20	5,01	4,95	5,00
Performance ηs	(1) (3)	%	204,0	202,0	203,0	203,0	204,0	201,0	205,0	197,0	195,0	197,0
i-FX2-G04-K			**1062**	**1152**	**1253**	**1333**	**1463**	**1573**	**1683**			
Prated,c	(1)	kW	1065,0	1147,0	1247,0	1328,0	1460,0	1565,0	1674,0			
SEER	(1) (2)	-	5,06	5,09	4,98	4,89	5,08	5,15	5,16			
Performance ηs	(1) (3)	%	199,0	200,0	196,0	193,0	200,0	203,0	203,0			

i-FX2-G04-E			0392	0432	0502	0552	0662	0742	0872	0932	1022	1072
Prated,c	(1)	kW	392,0	425,7	498,8	550,2	657,7	743,7	860,8	929,1	1023,0	1072,0
SEER	(1) (2)	-	5,56	5,59	5,59	5,65	5,64	5,42	5,40	5,45	5,62	5,60
Performance ηs	(1) (3)	%	219,0	221,0	220,0	223,0	223,0	214,0	213,0	215,0	222,0	221,0
i-FX2-G04-E			**1183**	**1323**	**1433**	**1533**						
Prated,c	(1)	kW	1183,0	1327,0	1424,0	1531,0						
SEER	(1) (2)	-	5,37	5,43	5,50	5,57						
Performance ηs	(1) (3)	%	212,0	214,0	217,0	220,0						

i-FX2-G04-SL-K			0422	0452	0512	0572	0602	0672	0712	0772	0862	0962
Prated,c	(1)	kW	408,1	438,6	481,6	544,2	574,5	635,4	688,1	740,9	796,5	925,7
SEER	(1) (2)	-	5,18	5,10	5,06	5,12	5,09	5,01	5,13	4,92	4,90	4,91
Performance ηs	(1) (3)	%	204,0	201,0	199,0	202,0	201,0	197,0	202,0	194,0	193,0	194,0
i-FX2-G04-SL-K			**1062**	**1152**	**1253**	**1333**	**1463**	**1573**	**1683**			
Prated,c	(1)	kW	1015,0	1109,0	1185,0	1233,0	1411,0	1510,0	1619,0			
SEER	(1) (2)	-	5,01	5,01	4,92	4,94	4,96	5,01	5,03			
Performance ηs	(1) (3)	%	197,0	197,0	194,0	195,0	195,0	197,0	198,0			

i-FX2-G04-SL-E			0392	0432	0502	0552	0662	0742	0872	0932	1022	1072
Prated,c	(1)	kW	379,4	423,7	483,5	520,3	636,8	722,4	847,1	900,8	991,6	1039,0
SEER	(1) (2)	-	5,59	5,59	5,56	5,64	5,57	5,34	5,30	5,33	5,53	5,48
Performance ηs	(1) (3)	%	221,0	221,0	220,0	223,0	220,0	211,0	209,0	210,0	218,0	216,0
i-FX2-G04-SL-E			**1183**	**1323**	**1433**	**1533**						
Prated,c	(1)	kW	1146,0	1299,0	1378,0	1480,0						
SEER	(1) (2)	-	5,27	5,33	5,33	5,43						
Performance ηs	(1) (3)	%	208,0	210,0	210,0	214,0						

i-FX2-G04-K-EC			0422	0452	0512	0572	0602	0672	0712	0772	0862	0962
Prated,c	(1)	kW	422,2	454,3	508,3	571,1	593,7	666,5	711,0	765,9	859,2	957,7
SEER	(1) (2)	-	5,41	5,34	5,33	5,38	5,39	5,29	5,44	5,20	5,13	5,19
Performance ηs	(1) (3)	%	213,0	211,0	210,0	212,0	213,0	209,0	214,0	205,0	202,0	205,0
i-FX2-G04-K-EC			**1062**	**1152**	**1253**	**1333**	**1463**	**1573**	**1683**			
Prated,c	(1)	kW	1065,0	1147,0	1247,0	1328,0	1460,0	1565,0	1674,0			
SEER	(1) (2)	-	5,26	5,28	5,16	5,06	5,26	5,31	5,34			
Performance ηs	(1) (3)	%	207,0	208,0	203,0	199,0	207,0	210,0	211,0			

i-FX2-G04-SL-K-EC			0422	0452	0512	0572	0602	0672	0712	0772	0862	0962
Prated,c	(1)	kW	408,1	438,6	481,6	544,2	574,5	635,4	688,1	740,9	796,5	925,7
SEER	(1) (2)	-	5,45	5,35	5,28	5,39	5,34	5,24	5,40	5,16	5,11	5,13
Performance ηs	(1) (3)	%	215,0	211,0	208,0	213,0	211,0	207,0	213,0	203,0	201,0	202,0
i-FX2-G04-SL-K-EC			**1062**	**1152**	**1253**	**1333**	**1463**	**1573**	**1683**			
Prated,c	(1)	kW	1015,0	1109,0	1185,0	1233,0	1411,0	1510,0	1619,0			
SEER	(1) (2)	-	5,25	5,23	5,16	5,17	5,18	5,23	5,26			
Performance ηs	(1) (3)	%	207,0	206,0	203,0	204,0	204,0	206,0	207,0			

Notes:
(1) Parameter calculated according to [REGULATION (EU) N. 2016/2281]
(2) Seasonal energy efficiency ratio
(3) Seasonal space cooling energy efficiency
The units highlighted in this publication contain R1234ze [GWP_{100} 1] fluorinated greenhouse gases.
Data certified in EUROVENT